



Fluidbed Dryers /high Shear Mixer PMA + Sirocco 1200

Images





Product details

Category:	Fluidbed Dryers and Dryers/Ovens
Machine:	PMA + Sirocco 1200
Machine code:	23-764
Manufacturer:	GEA
Year of construction:	2008

Description



GEA Niro Pharma Systems Aeromatic Fielder mixing/drying system consisting of:

(1) GEA Niro Aeromatic Fielder high shear mixer, type PMA 1200.

Polished stainless steel construction,

Total capacity 42.37 cu ft (1200 liter), working capacity 31.78 cu ft (900 liter).

Measurements : 4'9" (1500 mm) , x 2'36" (725 mm)

1 Chopper. Lit with counter weight. On stand. Siemens control panel., year 2008. incl. integrated

For high shear pelletization, a special mixing tool is available to optimize the process and maximise the output.

Wet Pelletizing: This process uses a rotary atomizer spray to achieve excellent dispersion of binder liquid through the mix, and a special high-speed rotation blade for maximum movement of the product, for more efficient pelletization. A PTFE container-lining minimizes the need for 'top and tailing', even with the most cohesive of products. Studies have shown that the PTFE liner, unique to GEA can increase production efficiency by as much as 40%. Alternatively, an extruder may be used, similar to those used for the manufacture of pellets. In a typical set-up all ingredients are pre-blended in a container after dispensing.

Depending on the extruder design the liquid can be added in the extruder or mixed separately to the correct consistency. The material produced by the extruder is now transferred directly into a continuous fluid bed where it is dried to the desired moisture level.

Melt Pelletizing: This is an exceptionally fast method of producing pellets in a single step. The active material and binder are mixed in binder form then heated until the binder melts. A single batch is processed typically in just 15-20 minutes, and needs no further drying.

(2) GEA cone mill,

(3) GEA Niro fluid bed dryer, type Sirocco 1200,

Working capacity 958 liter,

Rated for 150 PSI (10 bar), year 2008. Incl. controls. Include Cip System , explosions Valves included